Effluent Treatment and River Monitoring Data

DRAFT as of 09/16/2011 @ 9:00

Effluent Samples - ASB7 (Outfall-001)

Date	Sample Time	pH (SU)	Mill insitu pH (SU)	Conductivity (uS/cm)	Mill Conductivity (uS/cm)	DO (mg/l)	TSS (mg/l)	COD (mg/l)	BOD_1 (mg/l)	BOD_5 (mg/l)	DOUR (mg/l/hr)	Maturity Index
9/15/2011	0:15	7.75	7.69	2,038	1,874	0.52	145	573	Pending	Pending	Once Daily	
	4:03	7.78	7.65	1,957	1,831	1.10	150	539				
	8:28	7.72	7.65	1,909	1,798	2.50	156	530			1.3	1.3
	12:22	7.71	NC[1]	1,902	NC[1]	2.38	156	525			Once Daily	
	16:25	7.75	7.67	1,870	1,810	1.67	124	525				
	20:36	7.64	7.65	1,870	1,820	2.56	175	508				

1. Not Collected due to safety concerns

River
Dissolved Oxygen, mg/l

Date	Run	Upstream	Outfall	Richardson	Walnut Bluff	Pool's Bluff	Max Model Sag	River Split	Waikiah	Wilson Slough	I-59 Crossing
9/15/2011	First Run	6.15	5.74	5.83	5.62	5.68	5.55	5.50	5.51	5.53	5.90
	Second Run	6.00	5.77	5.90	5.80	5.68	5.51	5.45	5.50	5.42	6.06

River
Conductivity, uS/cm

Date	Run	Upstream	Outfall	Richardson	Walnut Bluff	Pool's Bluff	Max Model Sag	River Split	Waikiah	Wilson Slough	I-59 Crossing
9/15/2011	First Run	60	59	60	62	60	59	61	58	61	55
	Second Run	59	57	61	61	58	61	62	60	62	56

River
pH, SU

Date	Run	Upstream	Outfall	Richardson	Walnut Bluff	Pool's Bluff	Max Model Sag	River Split	Waikiah	Wilson Slough	I-59 Crossing
9/15/2011	First Run	6.47	6.54	6.60	6.64	6.57	6.46	6.48	6.51	6.52	6.49
	Second Run	6.75	6.63	6.60	6.62	6.55	6.54	6.54	6.50	6.51	6.47

Mid ASB - ASB4

Date	Sample Time	pH (SU)	Conductivity (uS/cm)	DO mg/l	COD (mg/l)	NH_3 - N (mg/l)	o-PO_4 (mg/l)	DOUR (mg/l/hr)	Maturity Index
9/15/2011	0:22	7.85	1,933	1.46	888	Once Daily			
	4:11	7.78	1,929	0.84	934				
	8:45	7.70	1,928	0.68	1,061	0.22	0.24	5.2	1.2
	12:35	7.72	1,933	0.54	1,026	Once Daily			
	16:36	7.70	1,921	0.32	907				
	20:53	7.86	1,785	1.01	1,142				